

FIG. 1

700

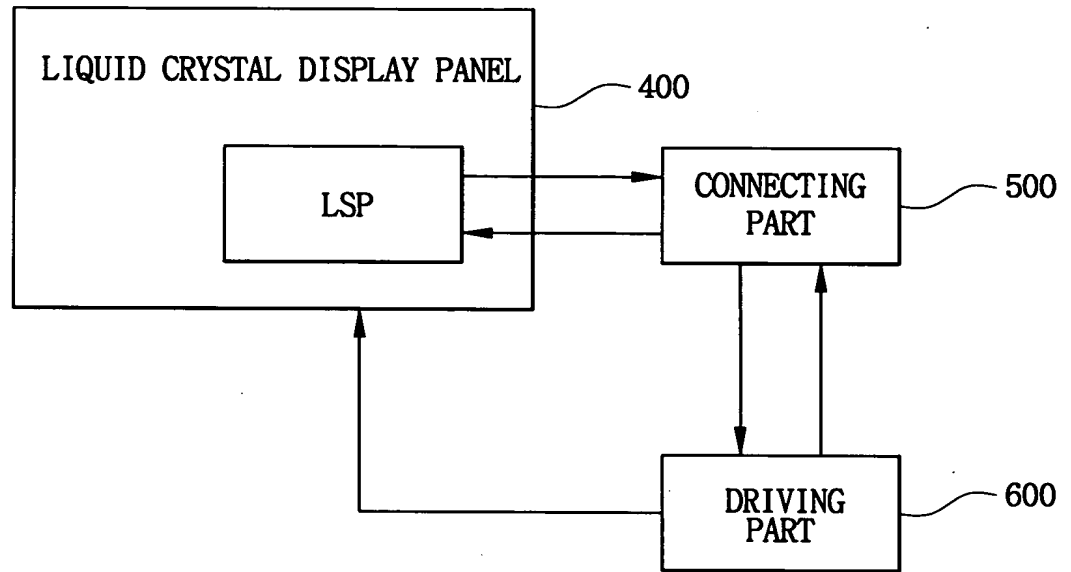


FIG. 2

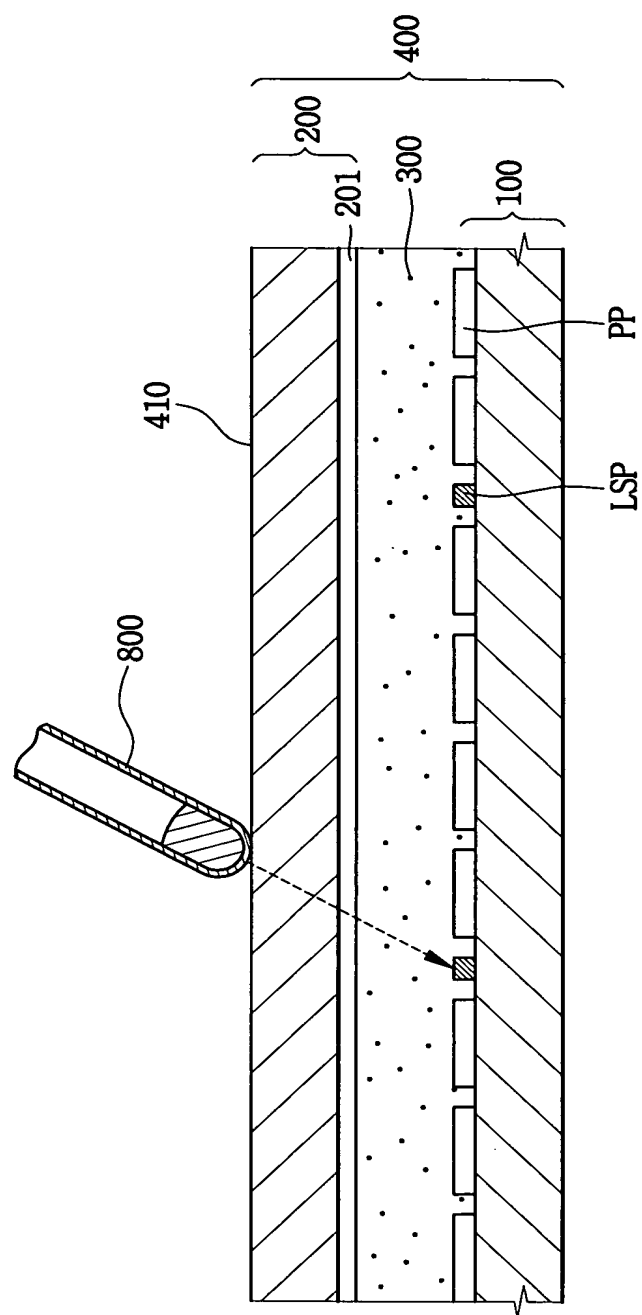


FIG. 3

400

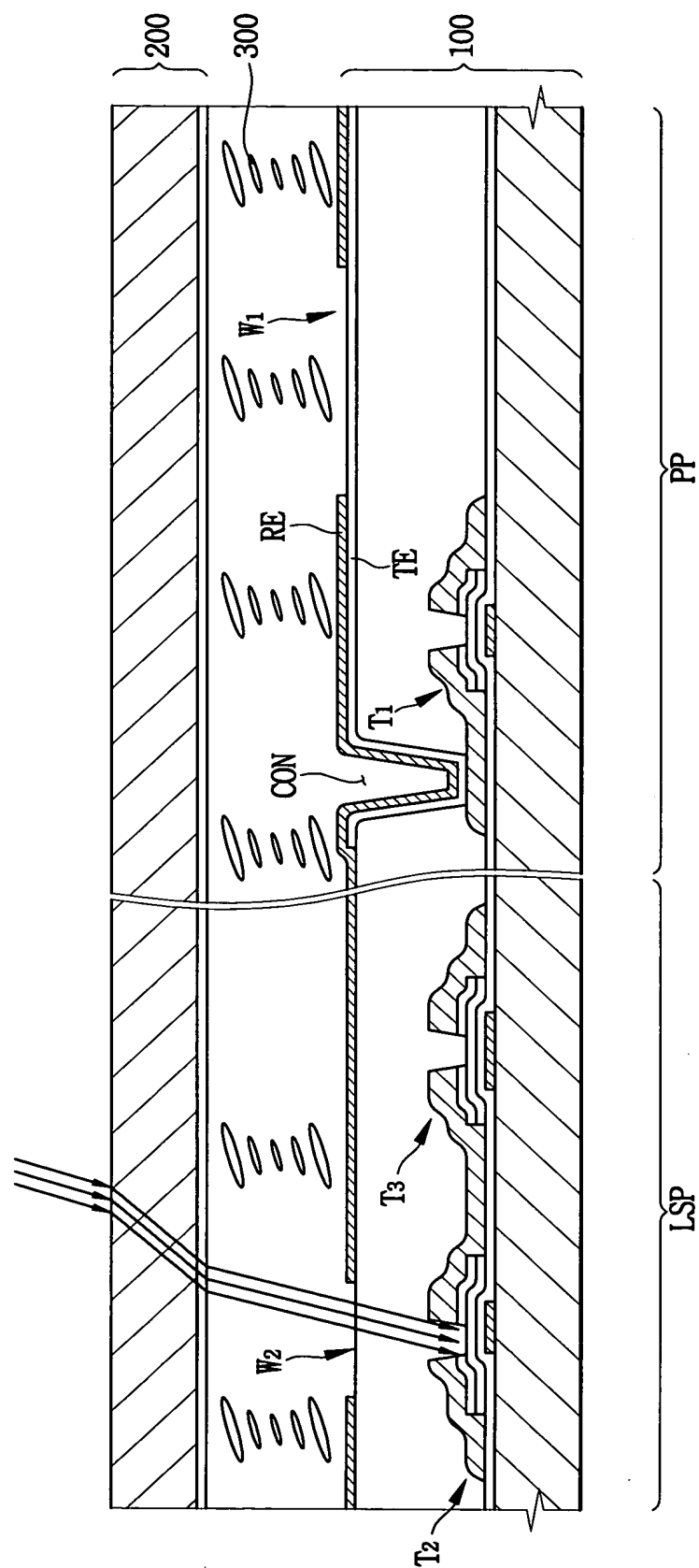


FIG. 4

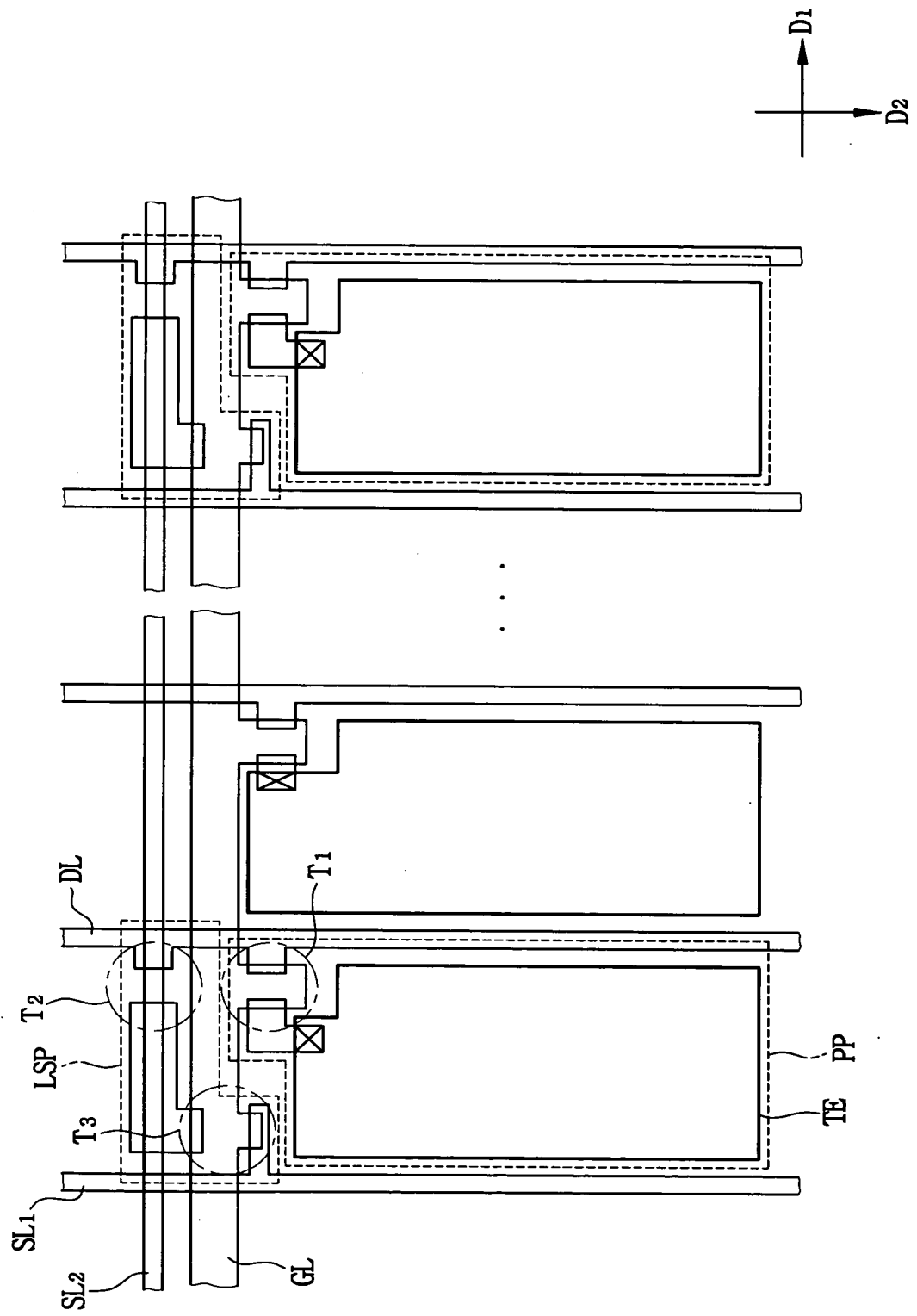


FIG. 5

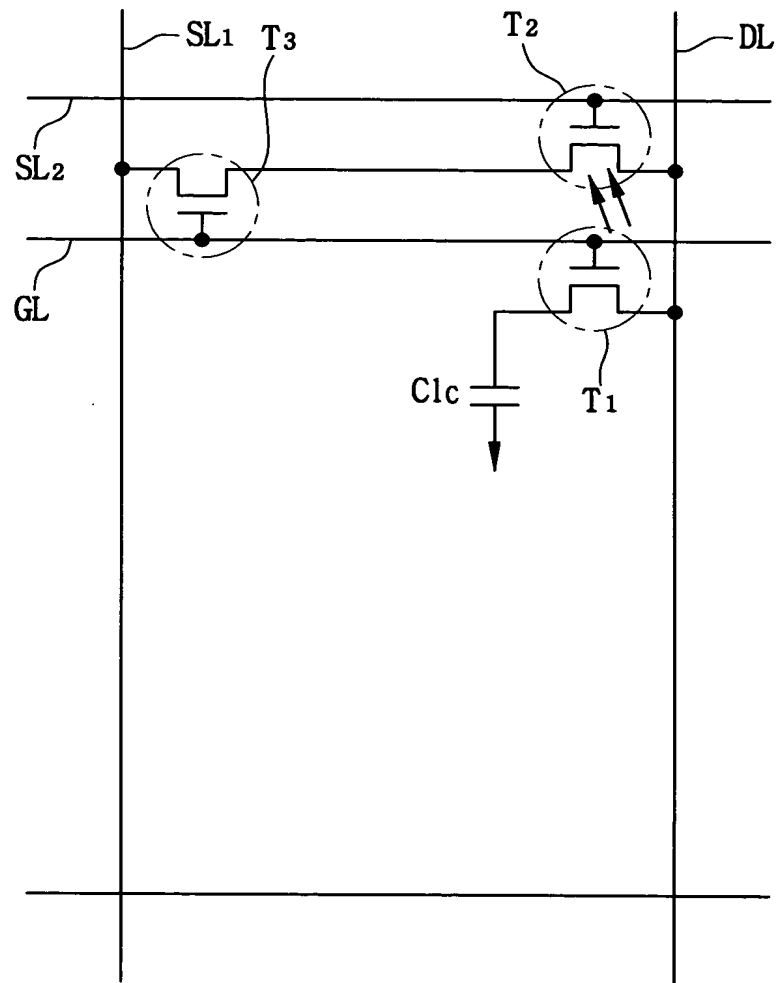


FIG. 6A

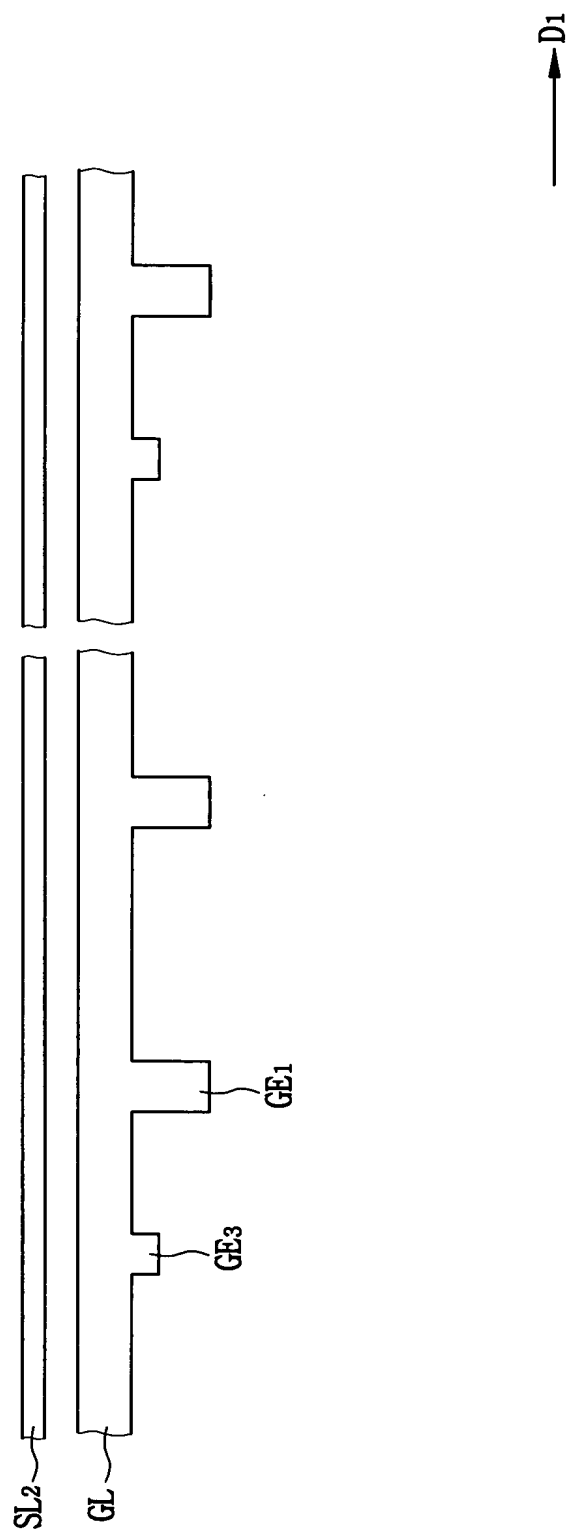


FIG. 6B

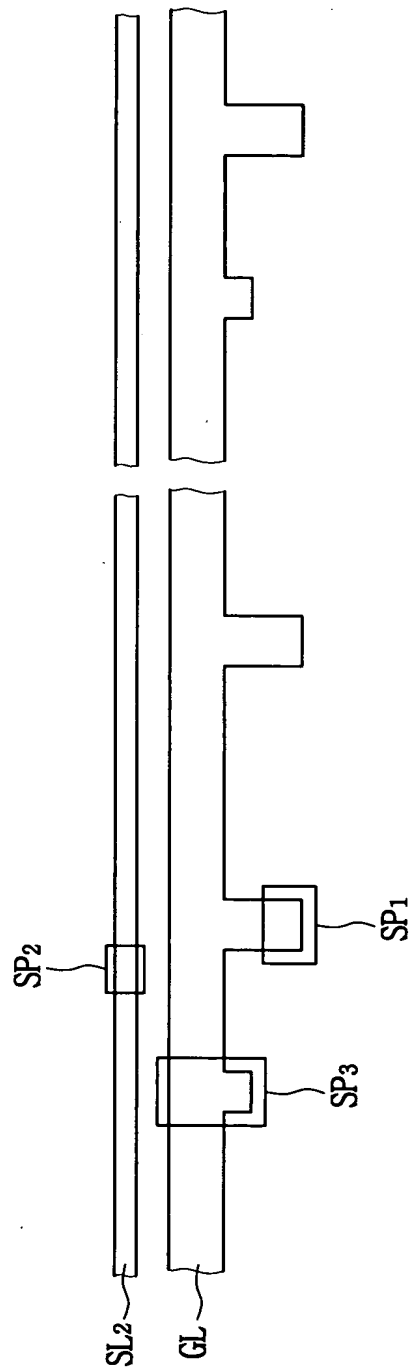


FIG. 6C

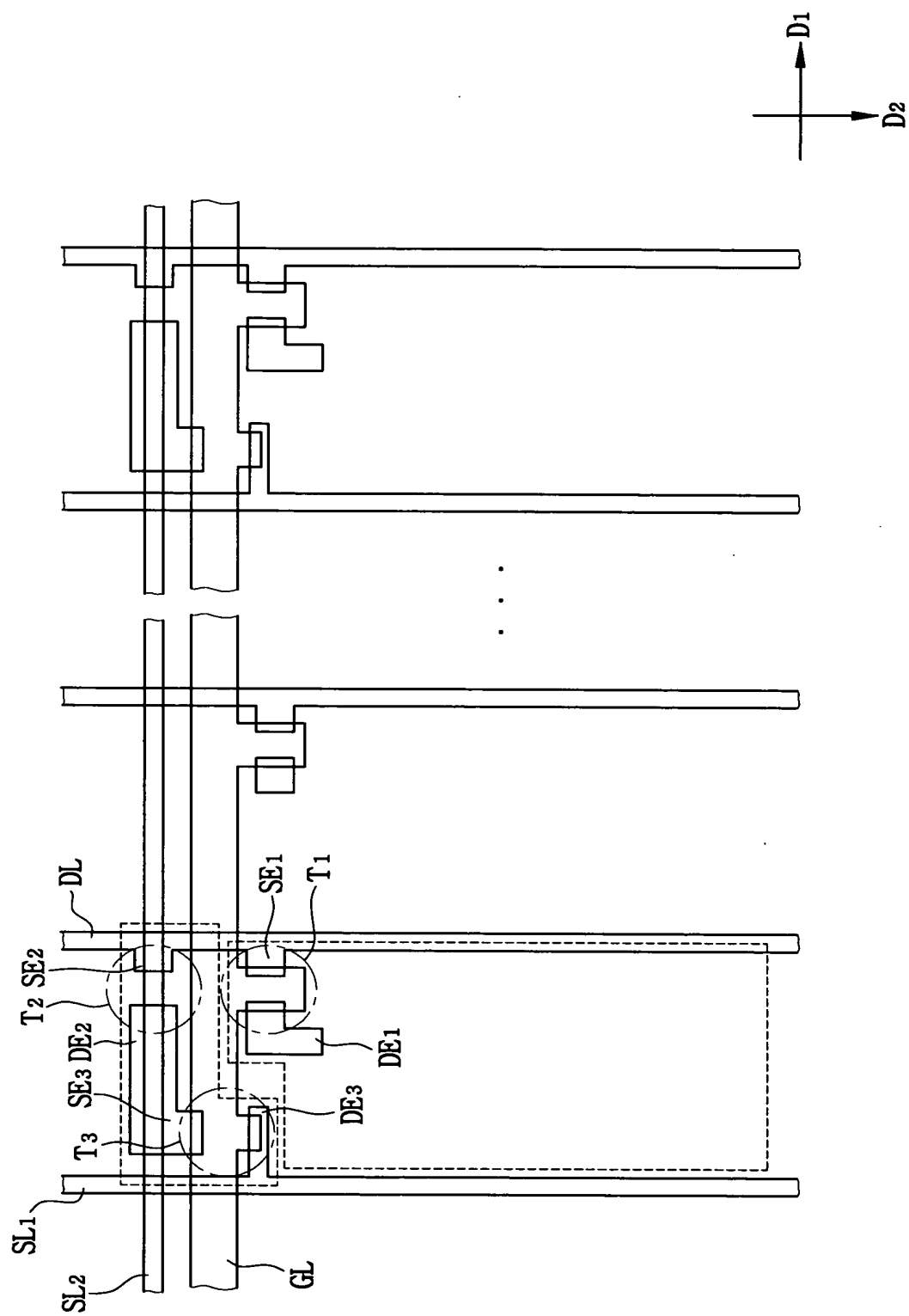




FIG. 6D

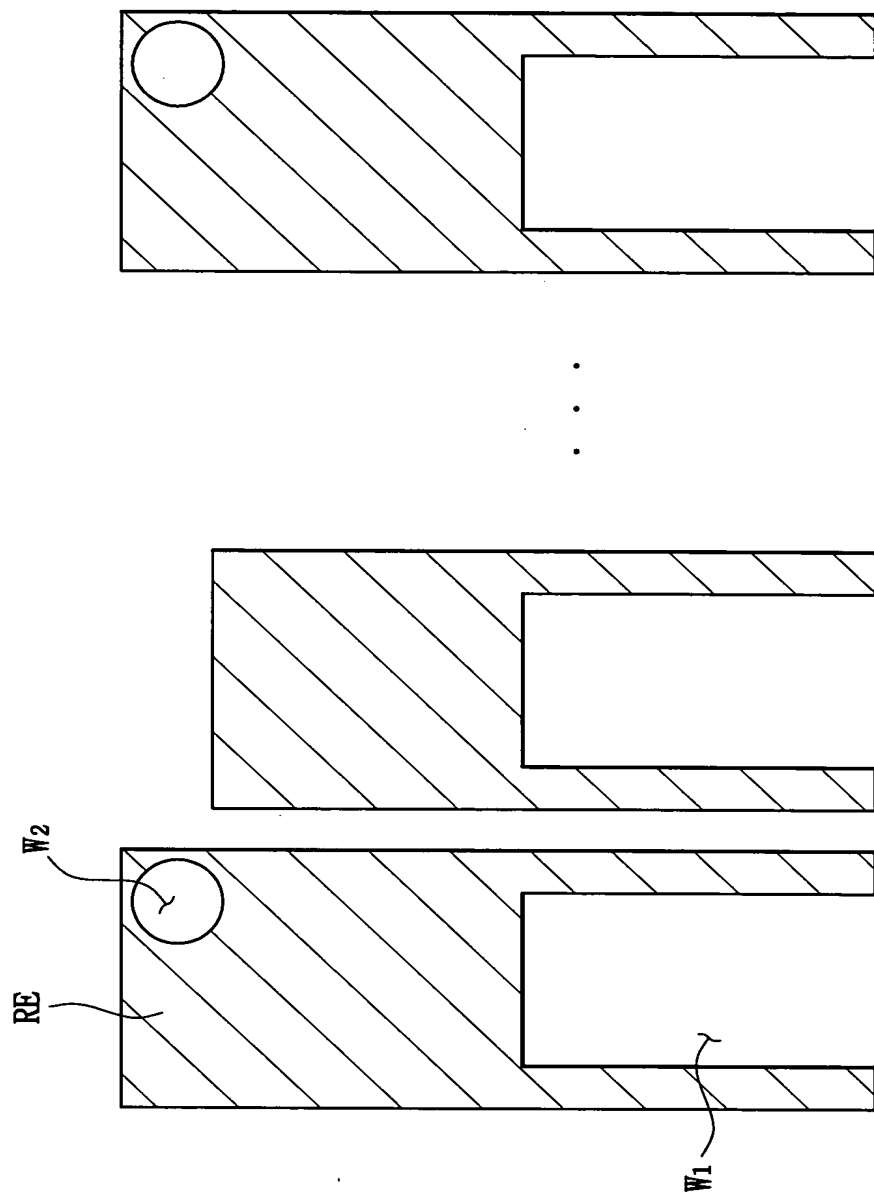


FIG. 7

400

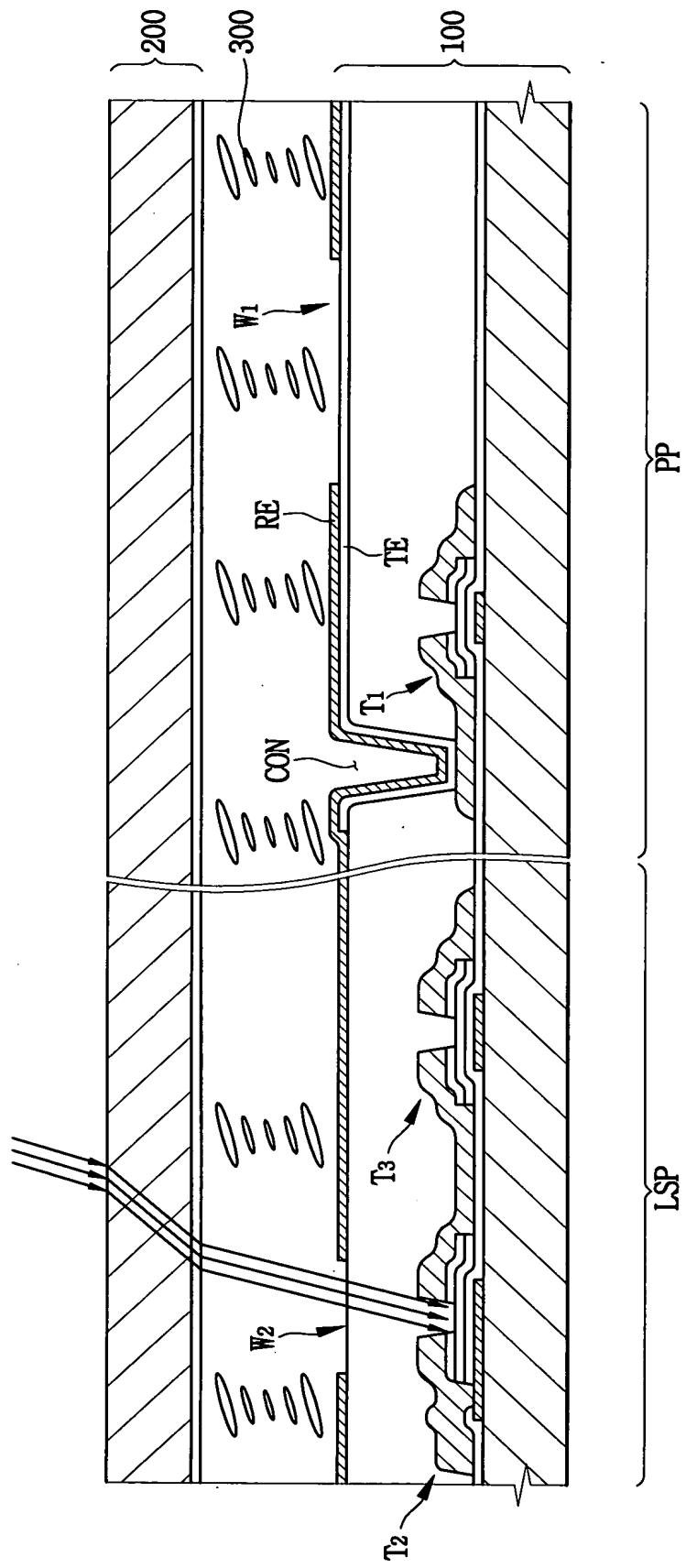


FIG. 8

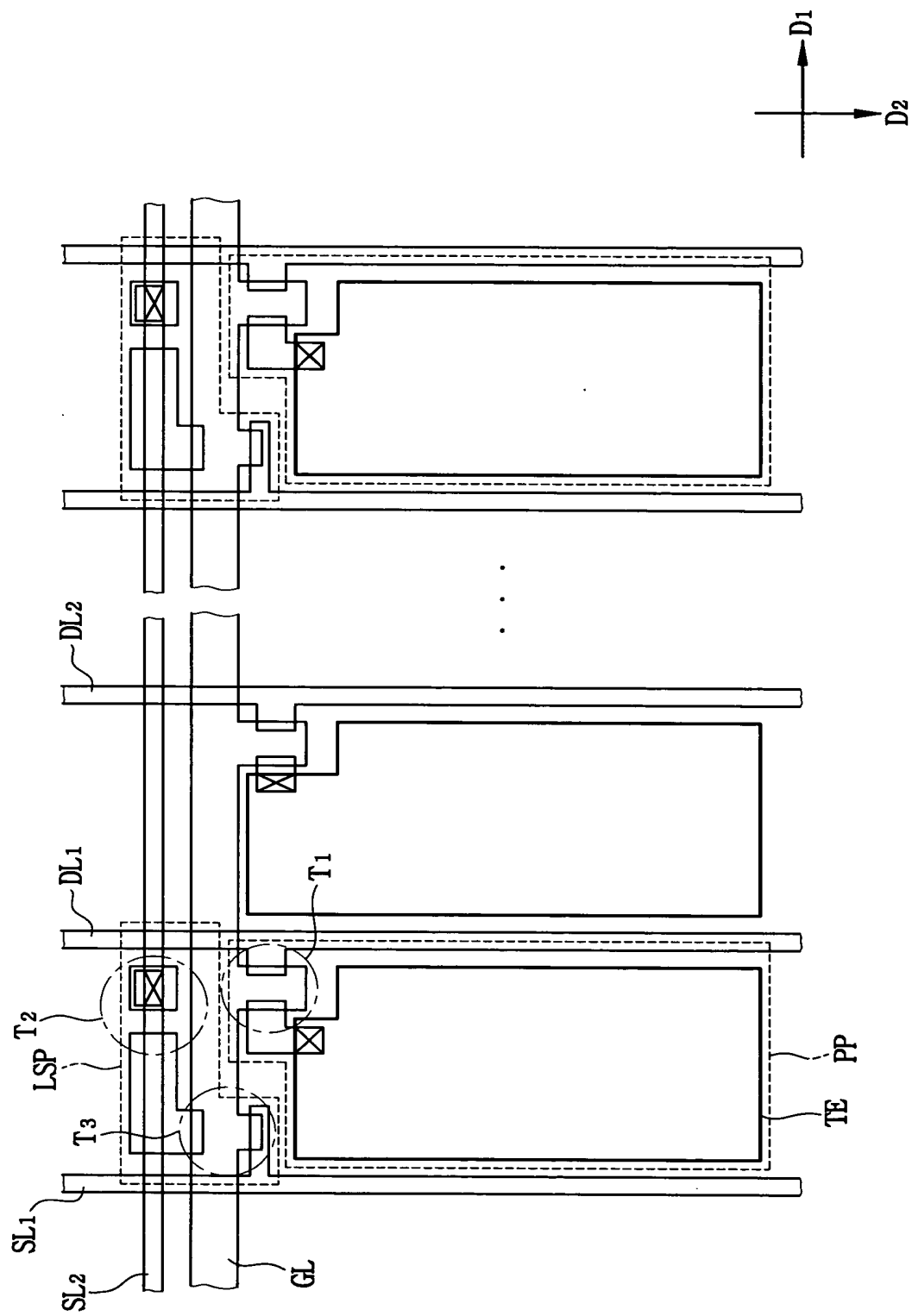


FIG. 9

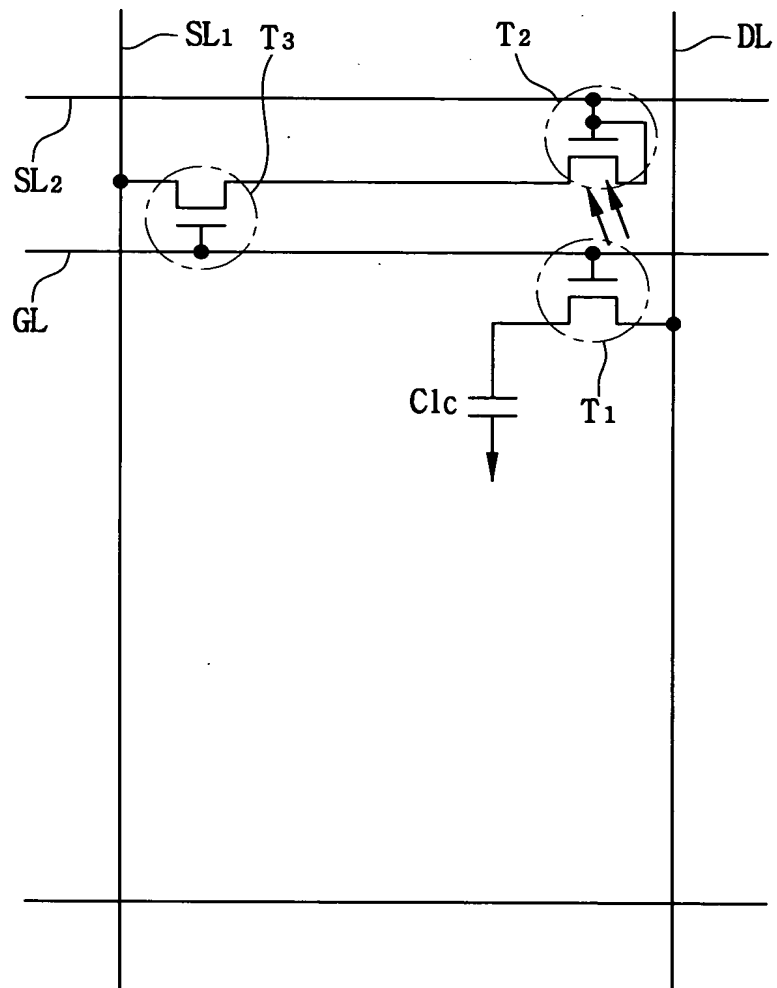
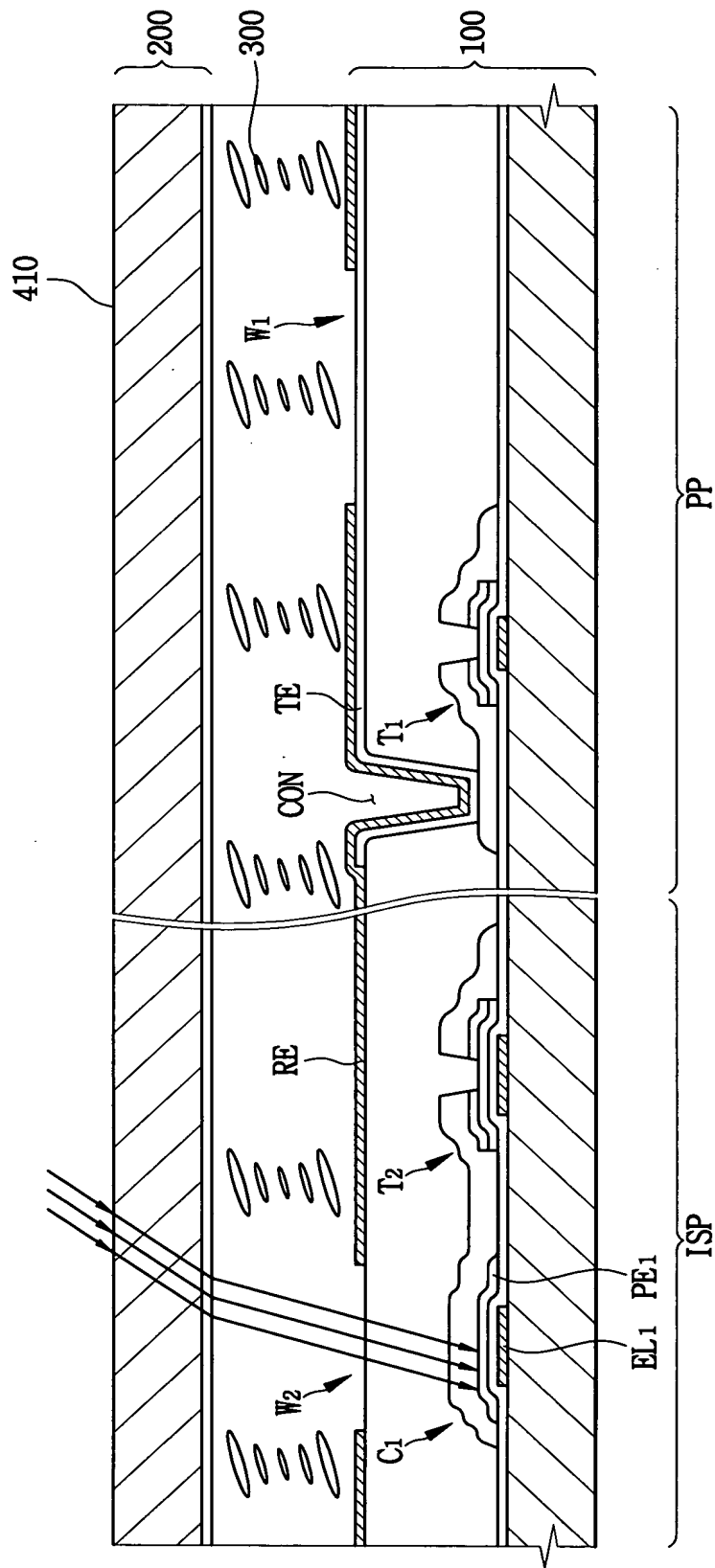


FIG. 10

430



The diagram illustrates a multi-channel device, likely a microfluidic or analytical system, consisting of three parallel channels. The leftmost channel is detailed with various components: a substrate layer (SL), an electrode layer (EL1), a gate layer (GL), a control line (C1), a transducer (T2), an input signal port (ISP), a detection layer (DL), a transducer element (TE), and a processing unit (PP). The middle channel features a transducer (T1). The rightmost channel also includes a transducer (T2). Ellipses between the middle and right channels indicate that there are multiple such channels. A coordinate system at the top right defines the D1 and D2 axes.

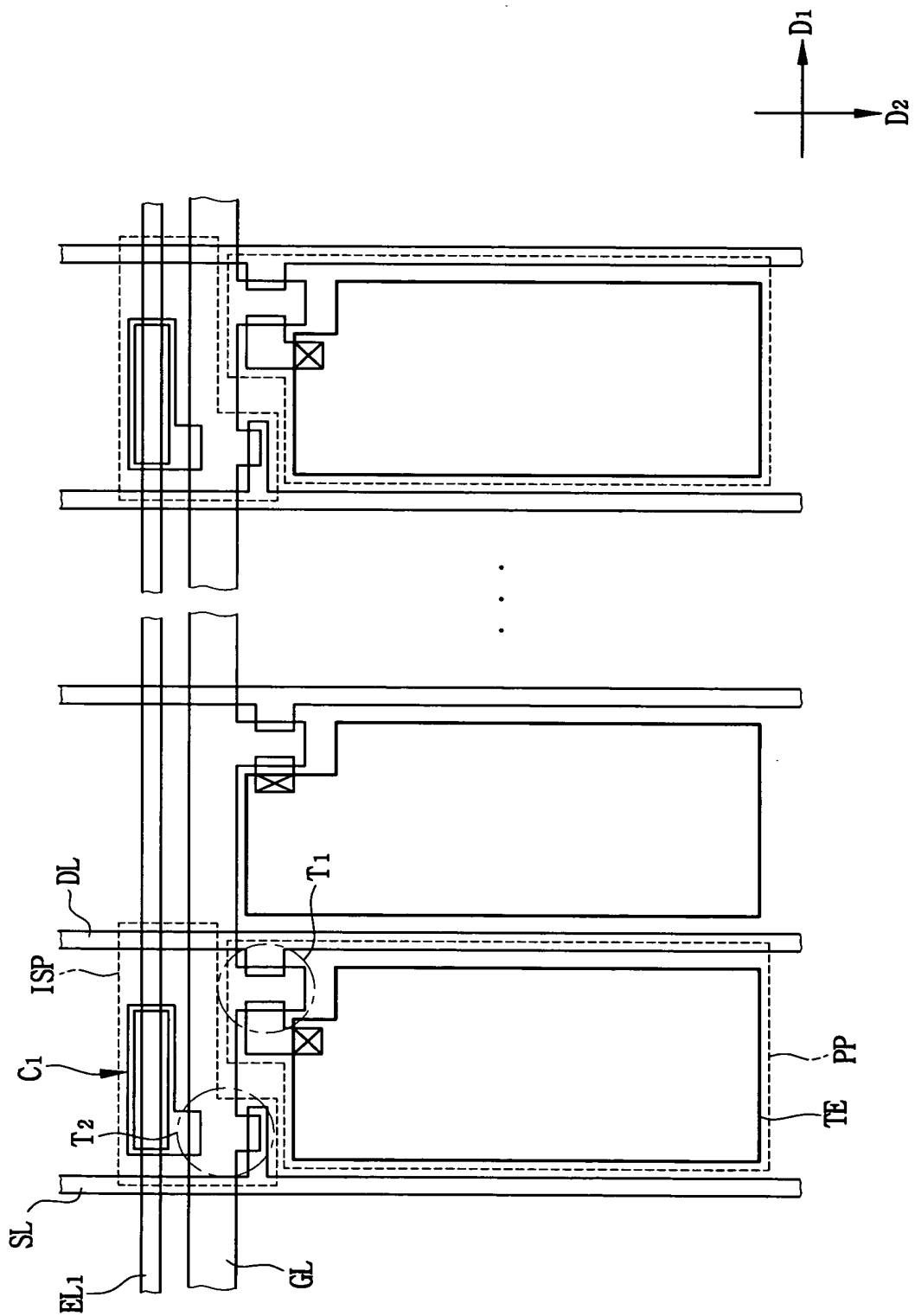


FIG. 12

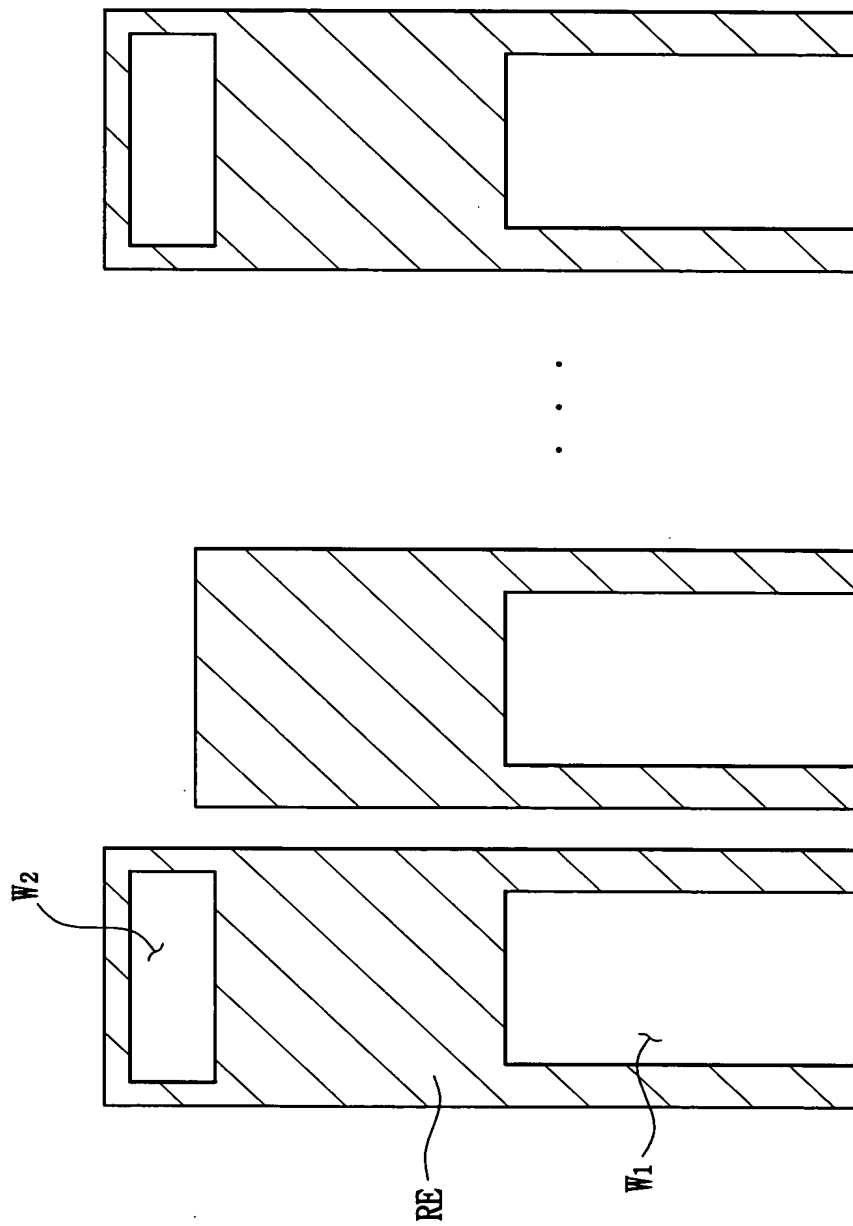


FIG. 13

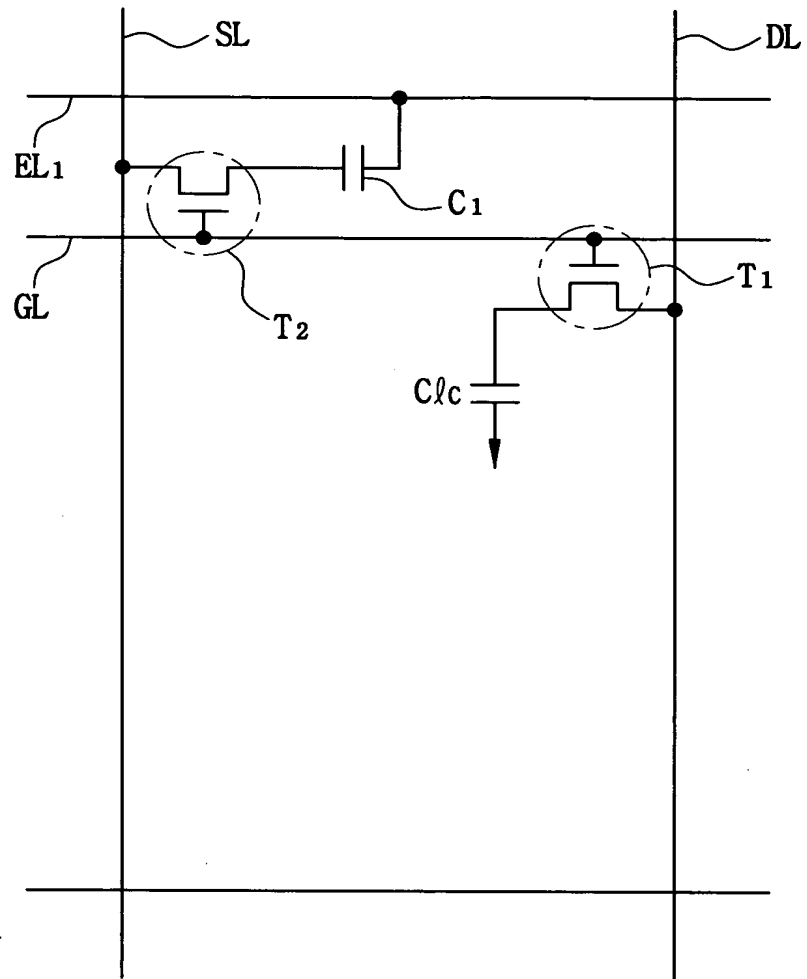




FIG14

900

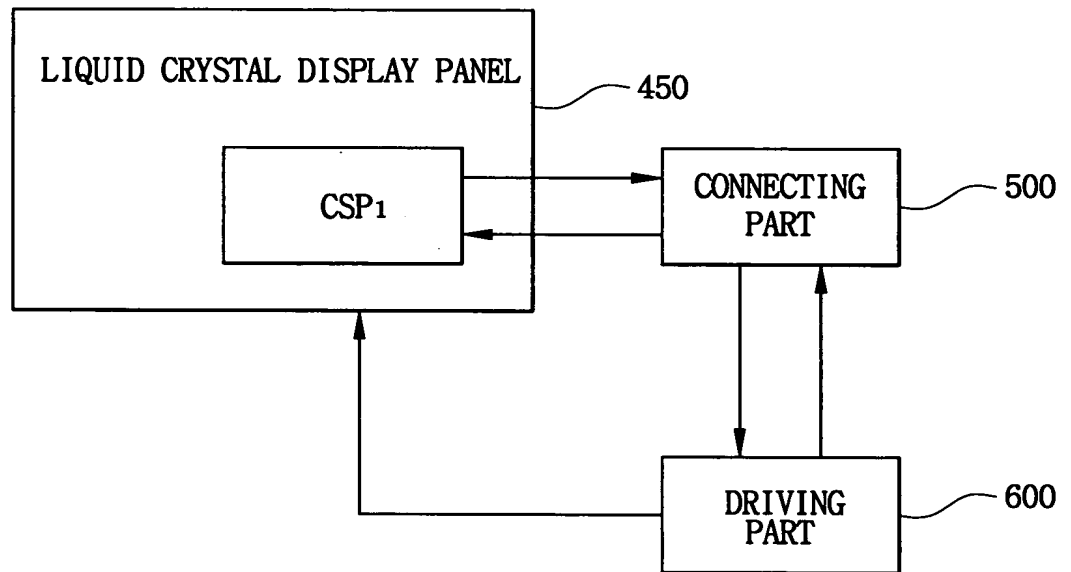


FIG. 15

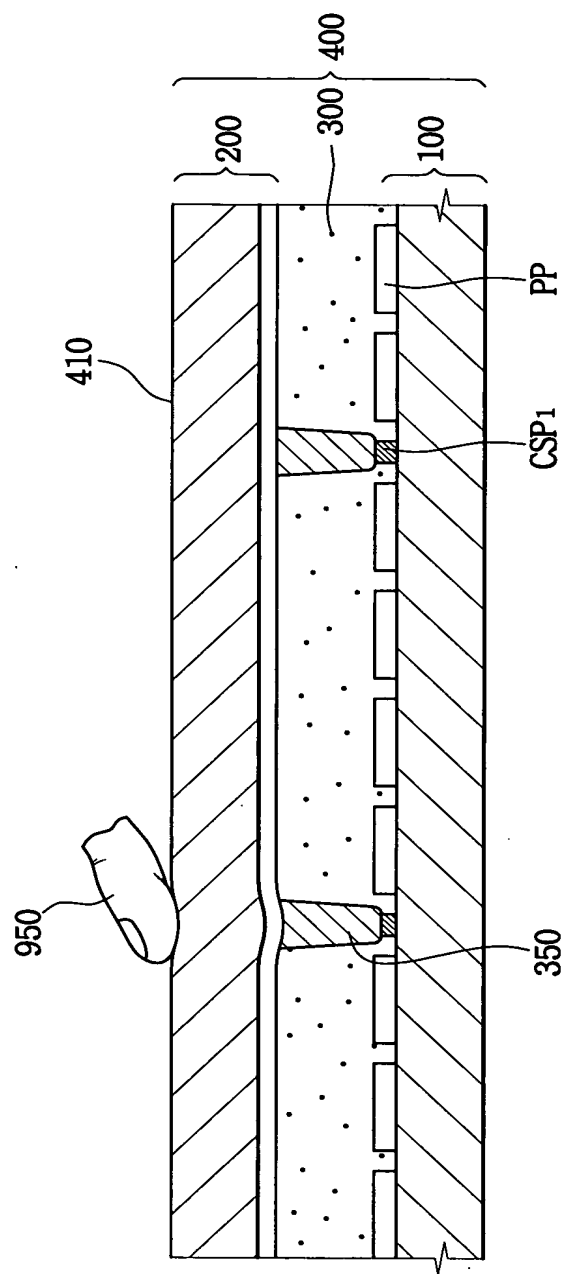


FIG. 16

450

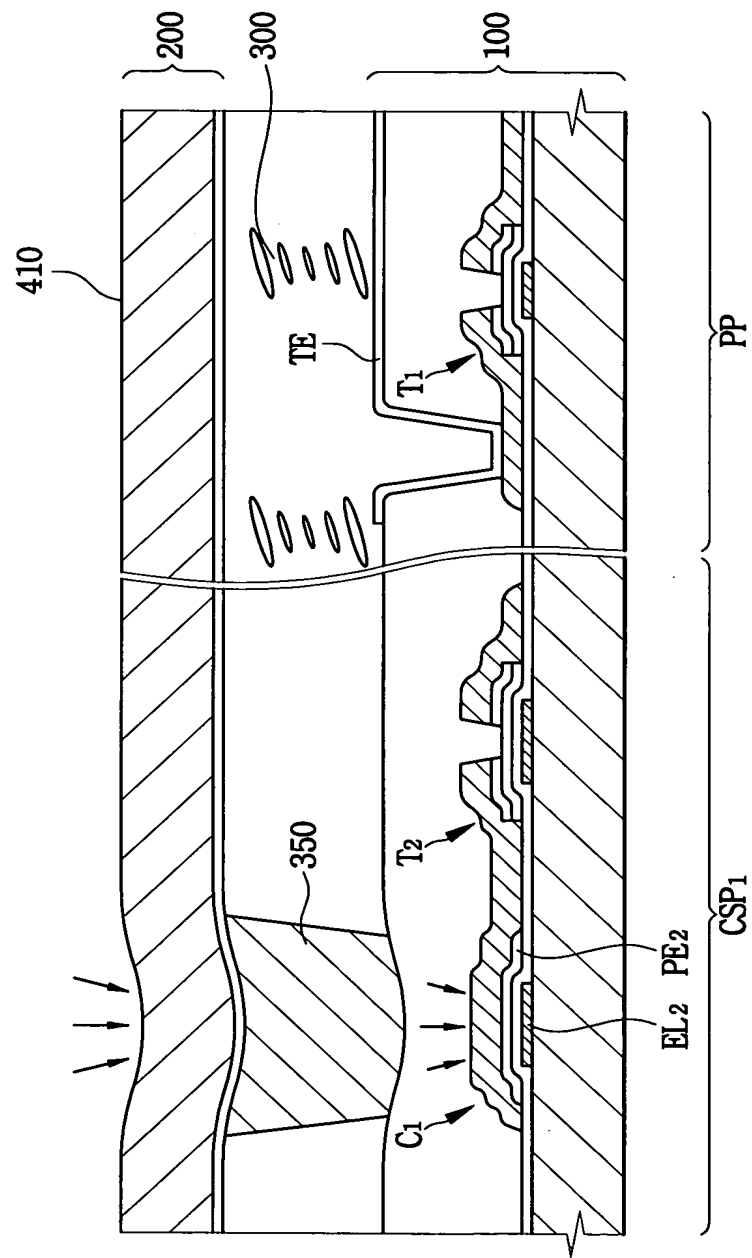


FIG. 17

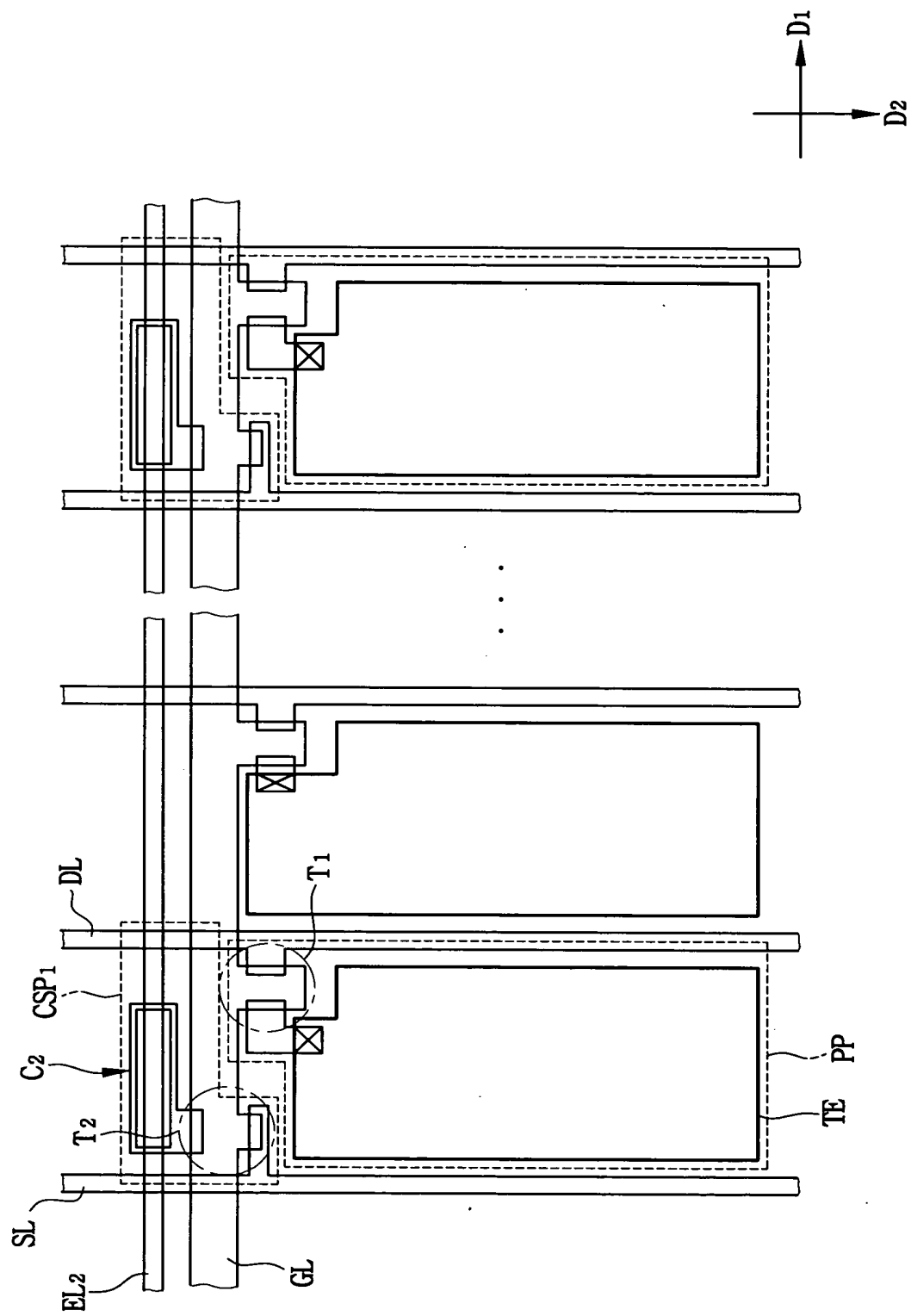


FIG. 18

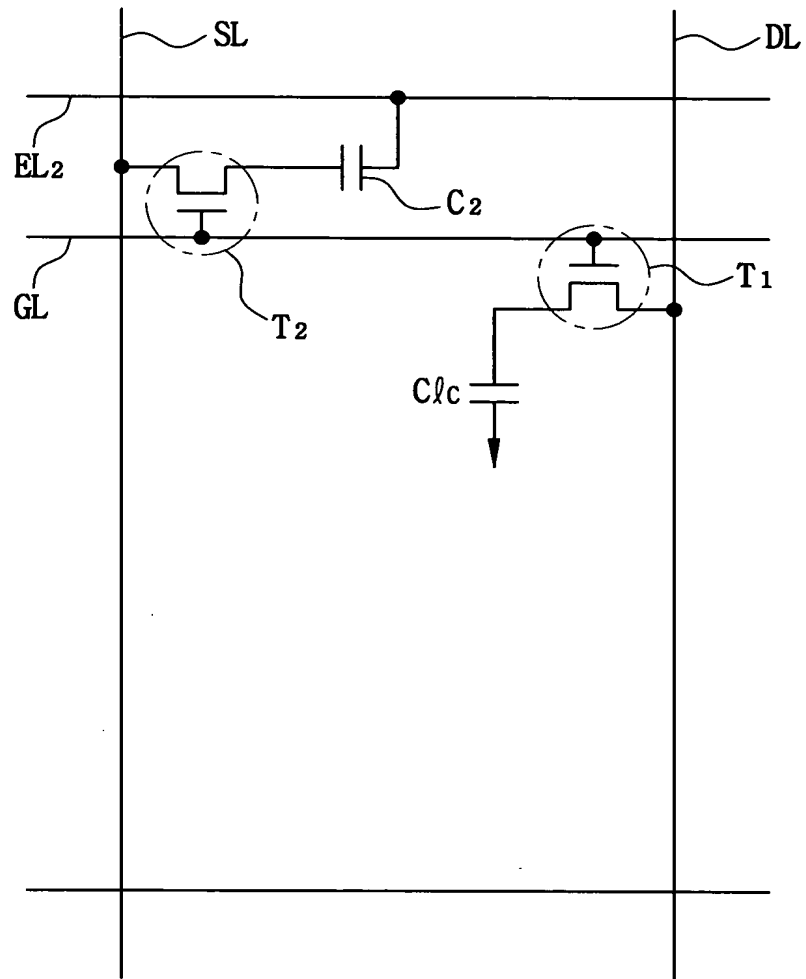


FIG. 19

470

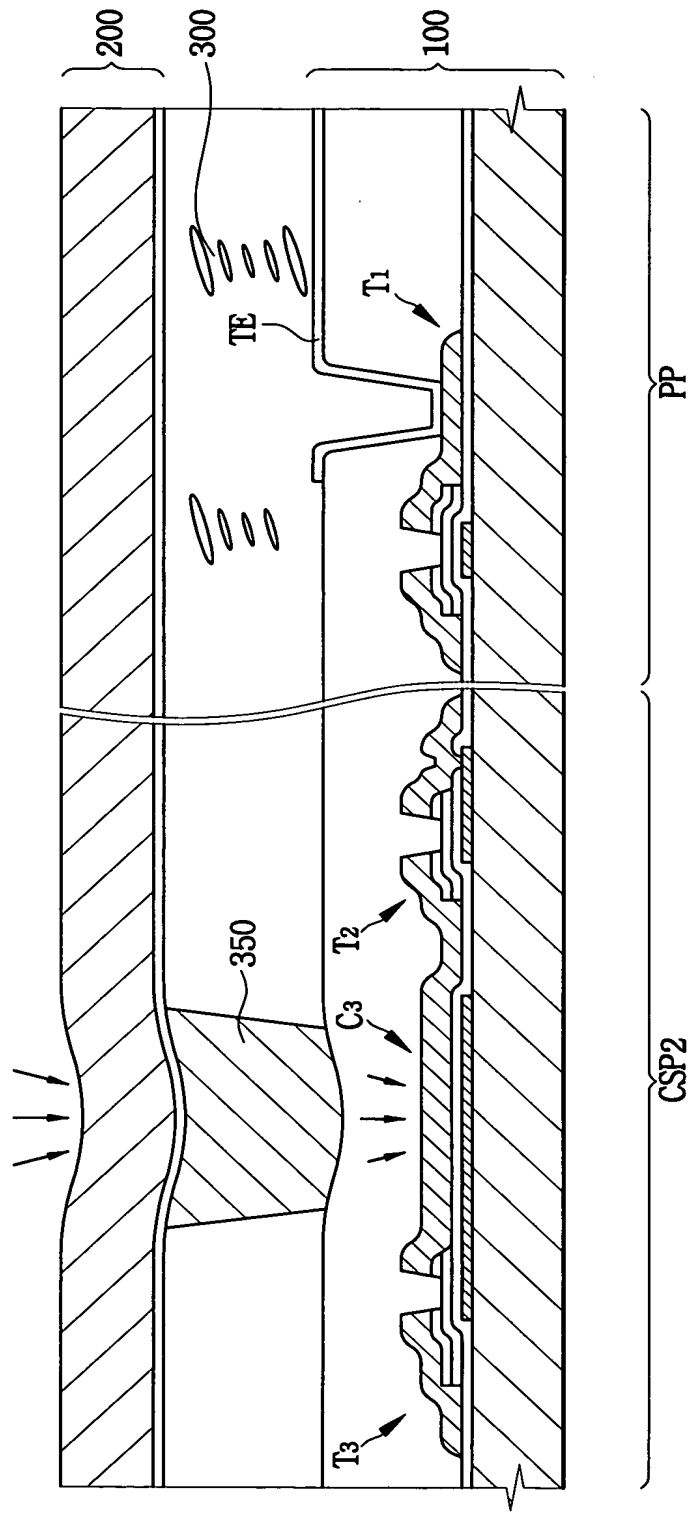


FIG. 20

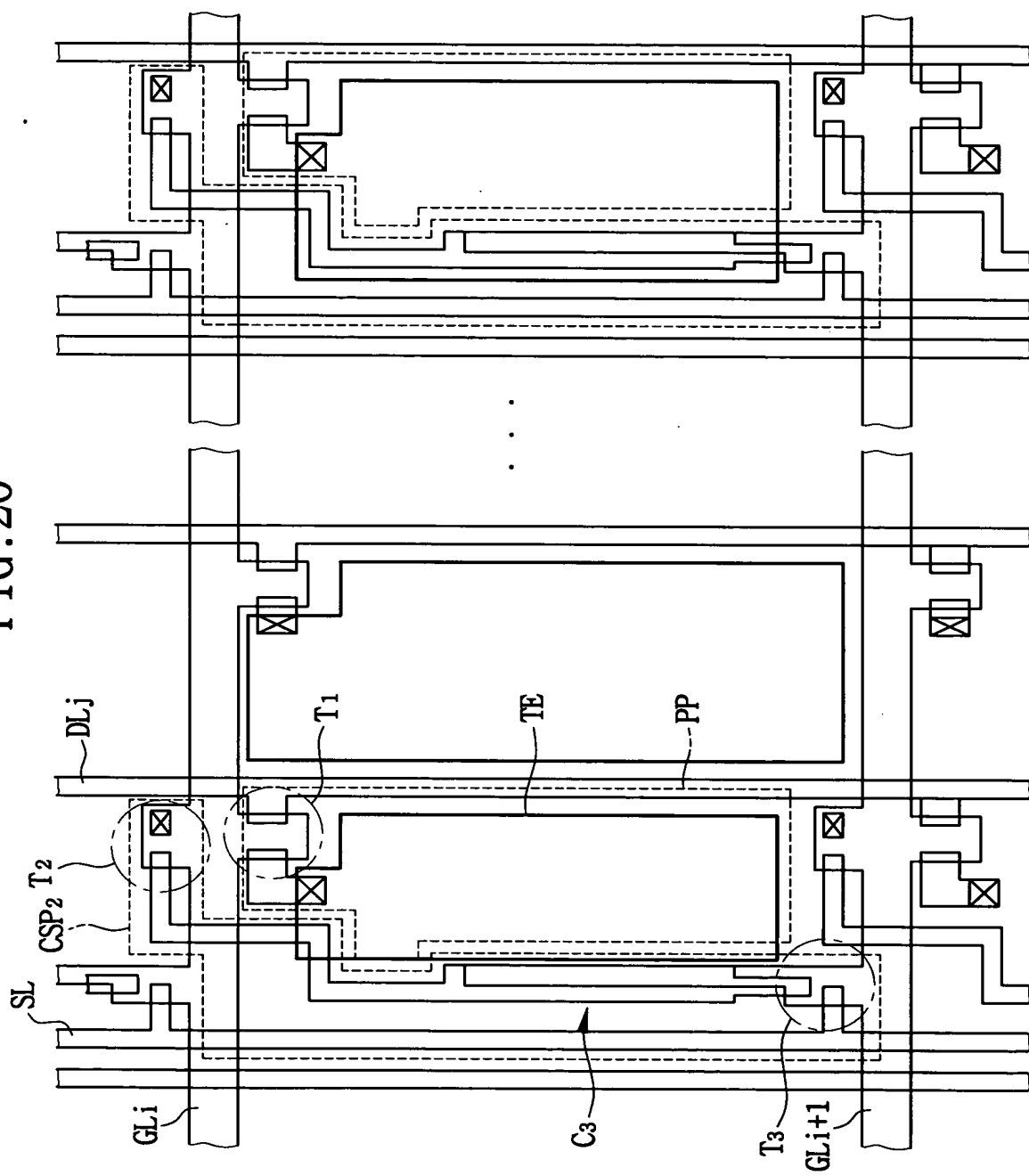


FIG. 21

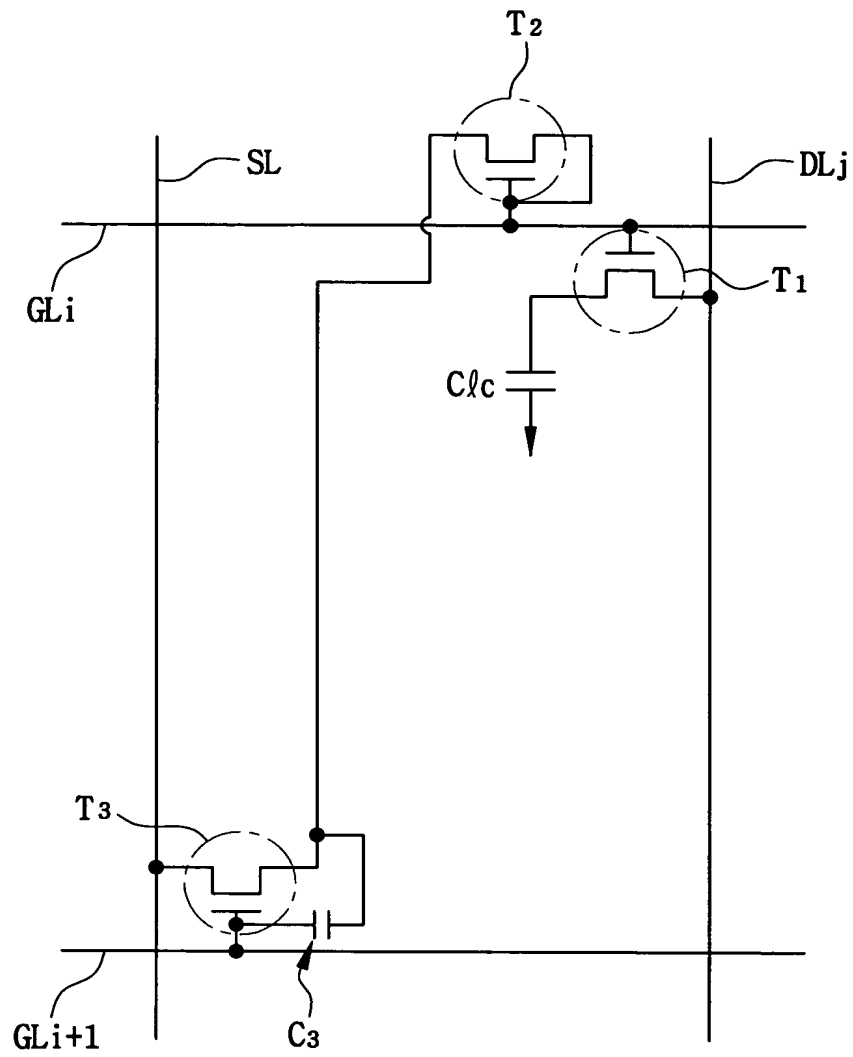




FIG. 22

1000

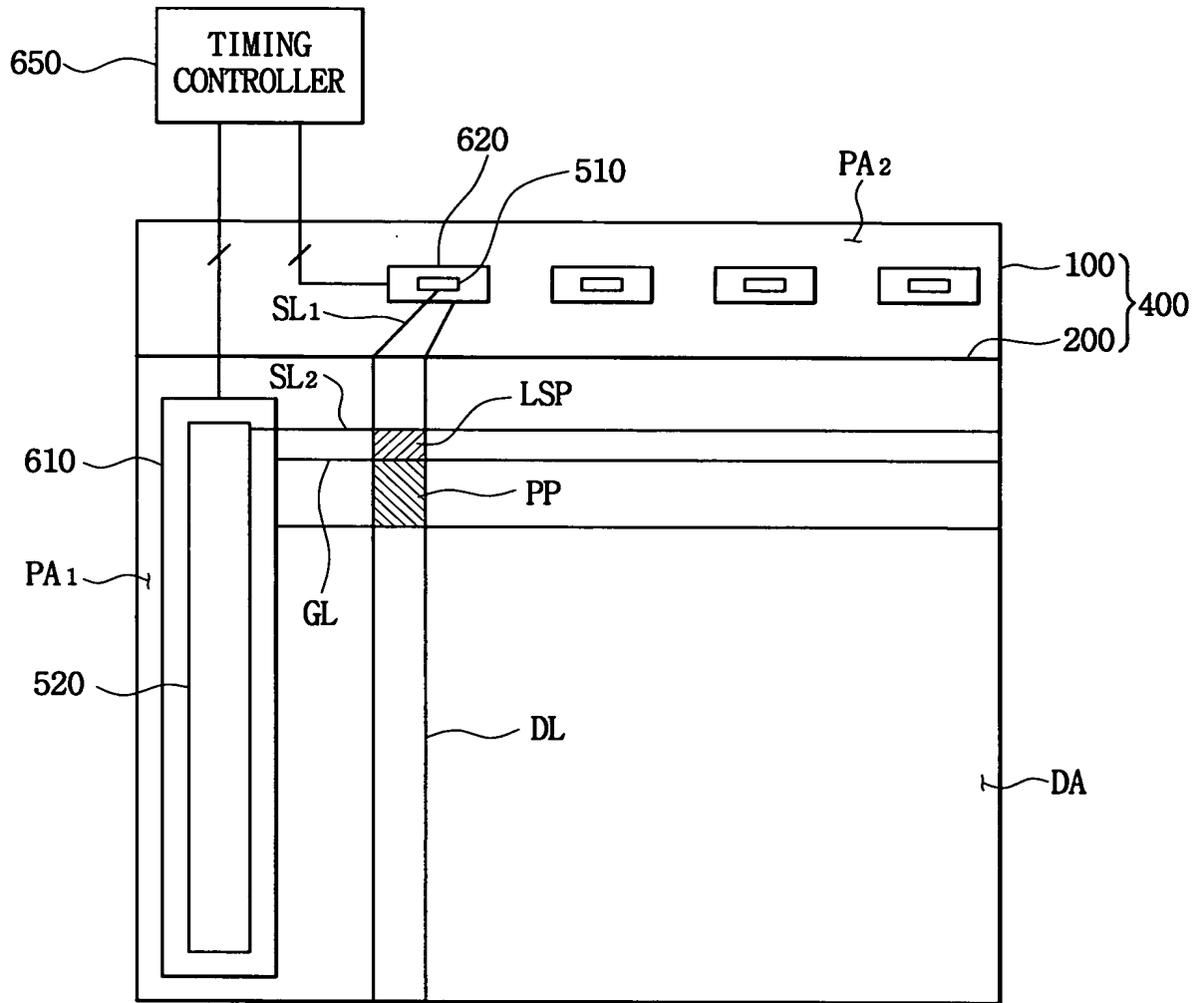


FIG. 23

1000

